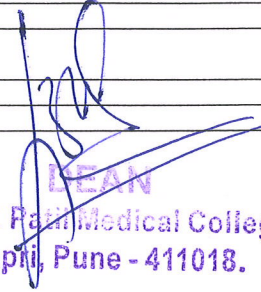
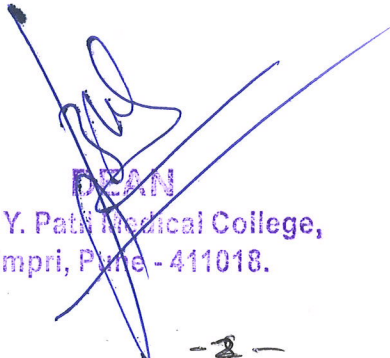


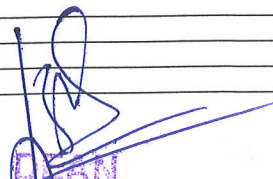
Department	Name of Faculty Qualification IMR Number	Current Designation & Date of Promotion	Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years				Year	Number of lectures taken/year. Topics covered	Name of Lecture Topics
				Institution	Designation	From	To			
Physiology										
1	Dr. Chhaya A. Saraf MBBS, MD 46210	Professor & HOD	Regular	Chandulal Chandrakar Memorial Medical College, Durg Banas Medical College, Palanpur Dr. D.Y.Patil Medical College, Pune	Professor Professor Professor	14-09-13 02-01-18 18-11-19	29-12-17 19-03-19 Till Date	2019	22	Neural regulation of respiration Mastication & Deglutition Gastric emptying Disorders of GIT Structure & Functions of kidney Flip Teaching: Micturition reflex & its disorders (SDL) SGT: Regulation of respiration Flip Teaching: Calcium Homeostasis (SDL) Ethics- VI What does it mean to be a patient: Empathy Disorders of anterior pituitary gland Pyramidal tracts (Descending tract - I) Extra Pyramidal tract (Descending tract - II) Vestibular apparatus Prefrontal lobe & speech Menstrual cycle - I (Ovarian changes & hormonal control) Ethics -IX Doctor Patient relationship: Group dynamics Descending tract SGT: Blood pressure SGT: GFR SGT: Gastric emptying Tutorial: Growth hormone Tutorial: Prefrontal lobe & speech
								2020	20	Neuromuscular junction-I Neuromuscular junction-II Haemodynamics - I Haemodynamics-II Circulatory Shock Chemical regulation of respiration Gastric emptying Concentration & dilution of urine-I Concentration & dilution of urine-II synapse- I synapse- II, Basal ganglia-I Basal ganglia-II Lesions of Spinal Cord - I Lesions of Spinal Cord - II AETCOM- Doctor patient relationship SDL on Regulation of respiration SDL - Thyroid hormone-Synthesis & physiological action SDL on Muscle tone SDL on Posture
2	Dr. Vilas Jaltade MBBS, MD 51601	Professor	Regular	Bahusaheb Hire Govt. Medical College, Dhule Dr. D.Y.Patil Medical College, Pune	Professor Professor	17-05-10 01-04-17	04-03-16 Till Date	2017	34	Action Potential - I Action Potential - II Origin & spread of cardiac impulse


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				Institution	Designation	From	To			
									Haemodynamics- I Haemodynamics- II Neural regulation of respiration Urine formation I Urine formation II Pyramidal tract Cerebellum -I Cerebellum -II Accommodation & visual reflexes ANS- I ANS- II Gastric emptying GIT Hormones Physiology of pregnancy – I Physiology of pregnancy – II Problem solving: Temperature regulation / Excretory system Problem solving: Central Nervous system Problem solving SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration SGT – Synapse SGT - Ascending tracts SGT – Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	
							2018	24	Transport across the cell membrane - I Transport across the cell membrane -II Resting membrane potential Origin & spread of cardiac impulse Cardiac cycle - I Cardiac cycle - II Transport of CO ₂ Urine formation - IV Adrenal cortex - I(Glucocorticoid) Adrenal cortex – II Ascending tracts Exocrine pancreas Muscle Tone – I Muscle Tone – II Posture - I Posture – II Flip teaching: Gastric secretion SGT: Mechanics of respiration	


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				Institution	Designation	From	To			
									SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	18	Neuromuscular junction - I Neuromuscular junction - II ECE Physiology Blood Bank Blood Pressure - I Blood Pressure - II Mechanics of respiration - I Mechanics of respiration - II GFR - I (Urine formation - I) GFR - II (Urine formation - II) SGT: Regulation of respiration Flip Teaching: Calcium Homeostasis (SDL) Anterior Pituitary gland - I (functional anatomy, Hypothalamic control of anterior pituitary) Anterior Pituitary gland - II (Growth hormone) Basal ganglia - I Basal Ganglia - II Limbic system - I Limbic system - II Tutorial: Neuromuscular junction	
							2020	16	Introduction of Physiology Resting membrane potential Cardiac Cycle - I Cardiac cycle- II Neural Regulation of respiration Mastication & Deglutition Anterior pituitary gland-I (Functional Anatomy Hypothalamic control of anterior pituitary) Disorders of anterior pituitary gland, Reflex action Ascending tracts Limbic system I Limbic system II Cardiac Failure SDL on Basal ganglia, caudate & Putamen circuit, Functions of basal ganglia, Parkinsons disease SDL on Physiology of pain SDL on Reflex action	
3	Dr. Mahesh Karandikar MSc, PhD	Professor 01-05-09	Regular	Dr.D.Y.Patil Medical College,Pune	Professor	01-05-09	till date	2016	57	Homeostasis Composition & functions of blood WBC Transport across cell membrane


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				Institution	Designation	From	To			
									Action Potential	
									Classification of muscle & structure of skeletal muscle	
									Introduction to CVS	
									Haemodynamics	
									Cardiac output I	
									Cardiac output II	
									Cardio respiratory changes during exercise	
									Receptor-I	
									Receptor-II	
									Reticular formation & ARAS	
									Thalamus	
									Sleep & wakefulness	
									Posture & Equilibrium - I	
									Posture & Equilibrium - II	
									EEG	
									Lesions of spinal cord	
									Neurophysiology of Vision - I	
									Neurophysiology of Vision - II	
									Introduction to Reproductive system, Sex determination & differentiation	
									Parathyroid & calcium metabolism	
									Physiology of puberty (male & female)	
									Female sex hormones	
									Introduction to gastrointestinal system (Including splanchnic circulation)	
									Problem solving: Central Nervous System	
									RMP & action potential	
									Regulation of respiration	
									Prefrontal lobe, CSF, Blood Brain Barrier, Brown Sequard Syndrome	
									Sex determination, Puberty, Male reproductive system	
									SGT: Transport across cell membrane	
									SGT: Resting membrane potential & Action potential	
									SGT: Neuro muscular junction	
									SGT: Ionic basis of muscle contraction	
									SGT: Immunity	
									SGT: Cardiac cycle	
									SGT: Heart rate	
									SGT: Blood pressure	
									SGT: Cardiac output	
									SGT: Shock	
									SGT: Coronary circulation	
									SGT: Pulmonary circulation	
									SGT: Mechanics of respiration	
									SGT: Diffusion & transport of gases	
									SGT: Regulation of respiration	
									SGT: Cerebellum	
									SGT: Descending tract	
									SGT: Neurophysiology of vision	
									SGT: Anterior Pituitary gland	
									SGT: Adrenal cortex	
									SGT: Sex determination, sex differentiation & puberty in male & female	


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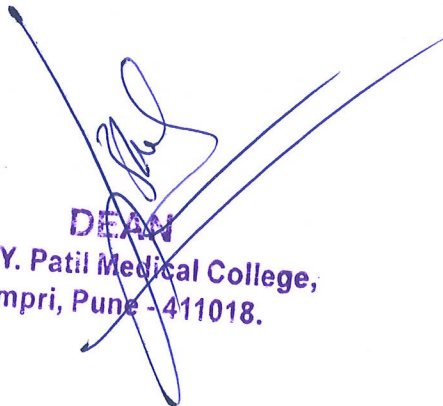
Department	Name of Faculty Qualification IMR Number	Current Designation & Date of Promotion	Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years				Year	Number of lectures taken/year. Topics covered	Name of Lecture Topics
				Institution	Designation	From	To			
									SGT: Menstrual cycle	
									SGT: Mastication & Deglutition	
									SGT: Gastric secretion & Gastric Emptying	
						2017		31	Transport across the cell membrane- I	
									Transport across the cell membrane-II	
									Nerve supply of Heart & Heart rate- I	
									Heart rate- II	
									Diffusion of gases	
									Acclimatization to high altitude	
									Aviation and space physiology-I	
									Aviation and space physiology-II	
									Synapse-I	
									Synapse-II	
									Thalamus	
									Prefrontal lobe & speech	
									EEG	
									Ear – II	
									Ear – III	
									Male reproductive system I	
									Male reproductive system II	
									Physiology of lactation	
									SGT: Cardiac cycle	
									SGT: Circulatory Shock	
									SGT: Regulation of respiration	
									SGT – Synapse	
									SGT - Ascending tracts	
									SGT – Physiology of pain	
									SGT: Visual pathway & its lesions	
									Flip Teaching: Growth hormone	
									Flip Teaching: Biosynthesis & regulation of thyroid hormone	
									Flip Teaching: Glucocorticoids	
									Flip Teaching: Menstrual cycle	
									Flip Teaching: Spermatogenesis	
									Flip Teaching: Lactation	
						2018		26	Homeostasis	
									Classification of muscle & structure of skeletal muscle	
									Pulmonary circulation	
									Chemical regulation of respiration	
									Structure & Functions of kidney	
									Concentration & dilution of urine - I	
									Concentration & dilution of urine – II	
									Thyroid gland - I	
									Thyroid gland - II	
									Synapse- I	
									Synapse- II	
									Pyramidal tract (Descending tract - I)	
									Vestibular apparatus - I	
									Vestibular apparatus - II	
									Prefrontal lobe & speech	


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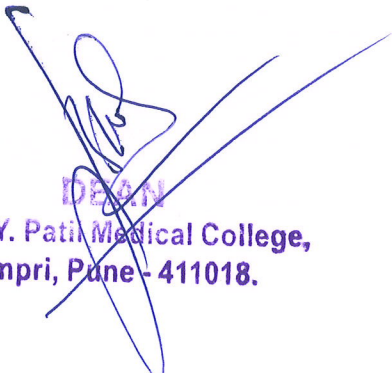
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									Physiology of Lactation SGT: Regulation of respiration Flip teaching: Thyroid hormone synthesis & regulation Flip teaching: Gastric secretion SGT: Mechanics of respiration SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	22	Homeostasis Molecular basis of muscle contraction – I Molecular basis of muscle contraction – II Circulatory shock Hypoxia, Periodic breathing, Cyanosis & Dyspnoea Deep sea physiology Nutrition – I Nutrition – II Flip Teaching: Micturition reflex & its disorders (SDL) Concentration & dilution of urine – I Concentration & dilution of urine – II Ascending tracts Thalamus Sleep & wakefulness Learning & memory Menstrual cycle - II (Uterine changes, hormonal control & disorders of menstrual cycle) Physiology of Lactation Cerebral dominance Ascending tract Tutorial: Sleep & wakefulness SGT: Learning & memory SGT: Molecular basis of muscle contraction	
							2020	22	Haemostasis-I Haemostasis-II Molecular basis of muscle contraction I Molecular basis of muscle contraction-II Pulmonary Circulation Diffusion of Gases Transport of O ₂ Liver, Bile & Gall bladder Micturition reflex & its disorders Posterior Pituitary gland & its disorders Sensory receptor Thalamus cerebellum -I cerebellum -II ANS-I	


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									ANS-II Menstrual cycle - I (Ovarian changes & hormonal control) Menstrual cycle - II (Uterine changes, hormonal control & disorders of menstrual cycle) SDL on Basal ganglia, caudate & Putamen circuit, Functions of basal ganglia, Parkinsons disease SDL on Physiology of pain SDL on Neurophysiology of vision SDL on Muscle tone	
4	Dr. Sood R.S. MBBS, MD 59601	Professor 01-01-17	Regular	Dr.D.Y.Patil Medical College,Pune Dr.D.Y.Patil Medical College,Pune	Asso.Prof Professor	01-11-13 01-01-17	31-12-16 till date	2016	52	Origin & spread of cardiac impulse Homeostasis Blood group Resting membrane potential Nerve supply of heart & heart rate – I Heart rate – II Tissue fluid formation – I Tissue fluid formation – II Introduction to Respiratory System Diffusion of gases Ascending tract – I Ascending tract – II Cerebellum - I Cerebellum – II Accommodation & visual reflexes Salivary secretion Mastication & Deglutition Mechanism & Regulation of gastric secretion Regulation & applied aspects of gastric secretion Movements & functions of small intestine – I Movements & functions of small intestine – II Problem solving: Gastrointestinal System Indian ethos & tradition Role of family & society in bioethics Tissue fluid formation, Regional circulation Spinal cord & its lesions , Brown Sequard Syndrome Cerebellum & Vestibular apparatus GFR, Factors affecting GFR, Tubular functions, Concentration & dilution of SGT: Transport across cell membrane GT: Resting membrane potential & Action potential SGT: Neuro muscular junction SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate SGT: Blood pressure SGT: Cardiac output SGT: Shock GT: Coronary circulation


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									SGT: Pulmonary circulation SGT: Mechanics of respiration GT: Diffusion & transport of gases SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland SGT: Adrenal cortex SGT: Sex determination, sex differentiation & puberty in male & female SGT: Menstrual cycle SGT: Mastication & Deglutition SGT: Gastric secretion & Gastric Emptying	
							2017	31	Immunity - I Immunity - II Blood Pressure I Blood Pressure II Chemical regulation of respiration Hypoxia, Periodic breathing, Dyspnoea & Cyanosis Regulation of blood volume Ascending tract - I Ascending tract - II Reticular formation & ARAS Sleep & wakefulness Ethics- Role of Family and society in Bioethics Colour vision Ear - I Regulation & applied aspects of gastric secretion Secretion & functions of small intestine Thyroid gland - II Thyroid gland - III (disorders & thyroid function tests) Problem solving SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration SGT - Synapse SGT - Ascending tracts SGT - Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	
							2018	27	Structure & functions of cell membrane Indian ethos & tradition Immunity - I Immunity - II	


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									Tissue fluid formation - I Tissue fluid formation - II Hypoxia, Periodic breathing, Cyanosis & Dyspnoea Ascending tract - I Cardio respiratory changes during exercise Micturition reflex & its disorders Endocrine pancreas - I Endocrine pancreas - II Liver, Bile & Gall bladder Cerebral cortex - I Cerebral cortex - II Intestinal secretion Accommodation & visual reflexes (Eye - IV) Lesions of Spinal Cord SGT: Blood Pressure Flip teaching: Gastric secretion SGT: Mechanics of respiration SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	25	Introduction to Physiology Cell & cell organelles, organization of cell , intercellular communication Resting membrane potential Haemodynamics - I Haemodynamics - II ECE Physiology - ECG Introduction to respiratory system Gastric juice secretion - I Gastric juice secretion - II Flip Teaching: Micturition reflex & its disorders (SDL) SGT: Regulation of respiration Flip Teaching: Calcium Homeostasis (SDL) Introduction to Endocrinology & Mechanisms of Hormone action Posterior Pituitary gland & its disorders Cerebellum - I Cerebellum - II Regulation of body Temperature CSF & Blood Brain Barrier And concept of brain death Physiology of puberty (male & female) Ethics- VII Doctor Patient relationship - Medical ethics - doctor - patient relationship (Autonomy, Vulnerability & Equality) Cerebellum Resting membrane potential Tutorial: Gastric secretion SGT: Posterior pituitary gland Tutorial: CSF & Blood Brain Barrier And concept of brain death	

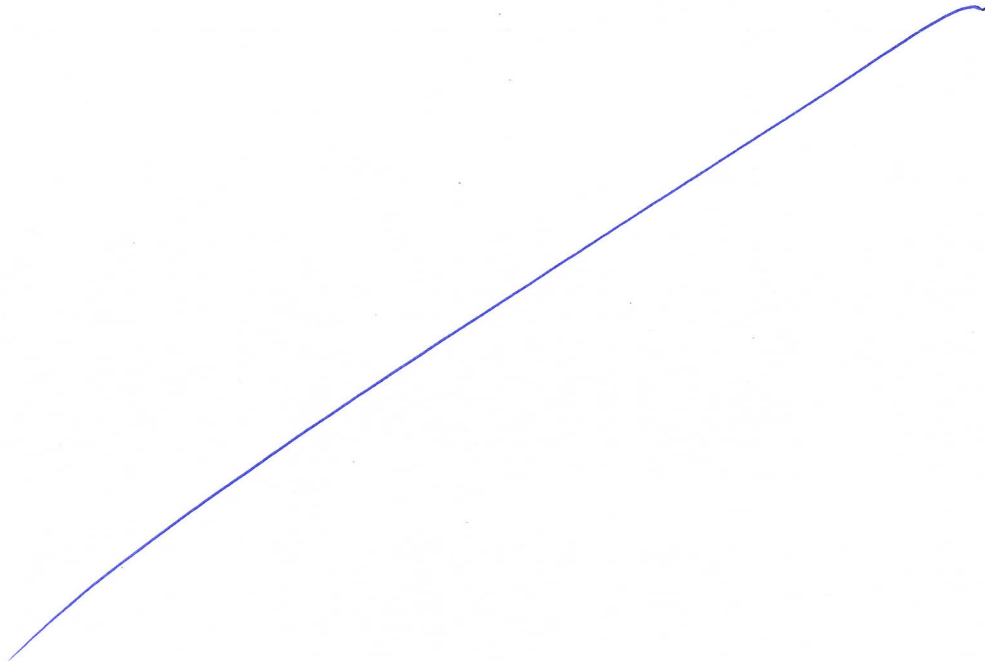
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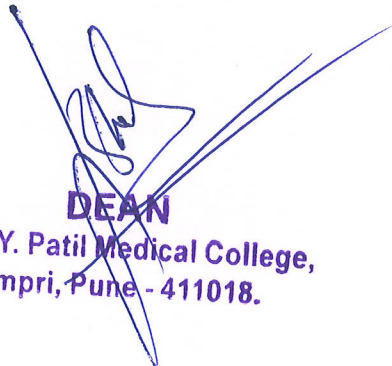

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								2020	26	Cell & cell organelles, organization of cell , intercellular communication Immunity – I Immunity – II Origin & spread of cardiac impulse Heart rate – I Heart rate – II Transport of CO ₂ Exocrine pancreas Gut Brain Axis Introduction to Endocrinology & Mechanisms of Hormone action Calcium Homeostasis - I (PTH) Calcium Homeostasis - II (Vit. D) Cerebral cortex - I Cerebral cortex – II Reticular formation & ARAS Physiology of puberty (male & female) Male reproductive system – I (Physiological anatomy, male sex hormones & functions) Male reproductive system – II (Spermatogenesis & its control) & Male reproductive system – III (Applied aspects of male reproductive system) Pineal gland & circadian rhythm SDL on Regulation of respiration SDL – Thyroid hormone-Synthesis & physiological action SDL on Basal ganglia, caudate & Putamen circuit, Functions of basal ganglia, Parkinsons disease SDL on Physiology of pain SDL on Neurophysiology of vision SDL on Reflex action SDL on Posture
5	Dr. Neelam Bala Prasad MSc, PhD	Professor 01-10-17	Regular	Dr.D.Y.Patil Medical College,Pune Dr.D.Y.Patil Medical College,Pune	Asso.Prof Professor	01-05-13 01-10-17	30-09-17 till date	2016	45	Blood group – I Blood group – II Blood pressure – I Blood pressure – II Introduction to Excretory system Counter current mechanism Organization of spinal cord Pain I Pain II Hypothalamus- I Hypothalamus – II ANS - I ANS – II Ear – I Ear – II Ear – III Endocrine pancreas Menstrual cycle I Menstrual cycle II

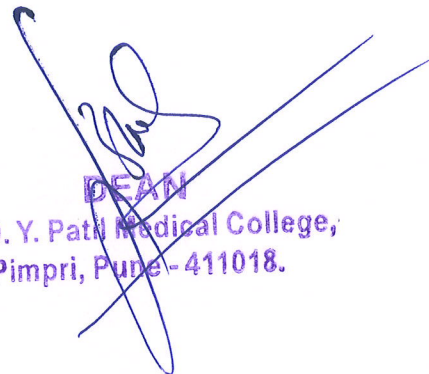
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									Problem solving: Excretory System Haemodynamics, blood pressure, heart rate. Transport of gases SGT: Transport across cell membrane SGT: Resting membrane potential & Action potential SGT: Neuro muscular junction SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate SGT: Blood pressure SGT: Cardiac output SGT: Shock SGT: Coronary circulation SGT: Pulmonary circulation SGT: Mechanics of respiration SGT: Diffusion & transport of gases SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland SGT: Adrenal cortex SGT: Sex determination, sex differentiation & puberty in male & female SGT: Menstrual cycle SGT: Mastication & Deglutition SGT: Gastric secretion & Gastric Emptying	
							2017	31	RBC - I RBC - II Indian ethos & tradition Classification of muscle & structure of skeletal muscle ECG Transport of CO ₂ Receptor-I Receptor-II Cerebral cortex I Cerebral cortex II Hypothalamus-I Hypothalamus-II Neurophysiology of Vision - I Neurophysiology of Vision - II Movements of small intestine & applied Mechanisms of hormone action Adrenal cortex - I (Glucocorticoid) Problem solving: Endocrine / Reproduction. Problem solving SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration	

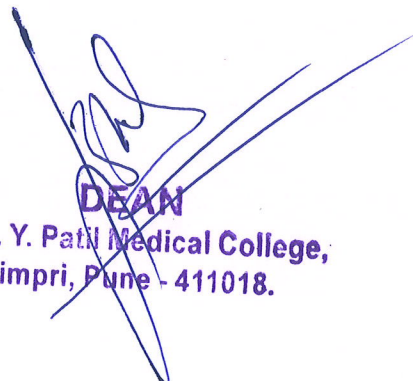



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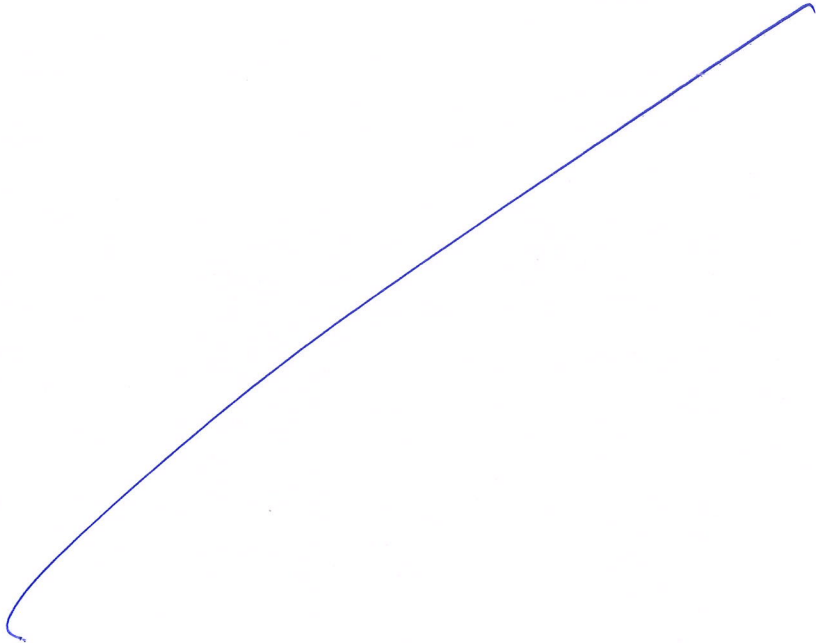
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				Institution	Designation	From	To			
									SGT – Synapse SGT - Ascending tracts SGT – Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	
							2018	28	Transport across the cell membrane (Active transport - I) Transport across the cell membrane (Active transport - II) Action potential – I Action potential – II Molecular basis of muscle contraction - I Molecular basis of muscle contraction - II Renal circulation Urine formation I Urine formation - II Introduction to endocrinology & Mechanisms of hormone action Gastric juice secretion - I Gastric juice secretion - II Ear – II Ear – III Limbic system Reflex action – I Reflex action – II Ethics- Role of Family and society in Bioethics SGT: Regulation of respiration Flip teaching: Thyroid hormone synthesis & regulation SGT: Blood Pressure SGT: Mechanics of respiration SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	14	Action potential – I Action potential – II Origin & spread of cardiac impulse ECG ECE Physiology Blood Bank Diffusion of Gases Transport of CO ₂ ECE Physiology Peptic ulcer disease Renal circulation Tubular processing (Urine formation III) SGT: Cardiac cycle	

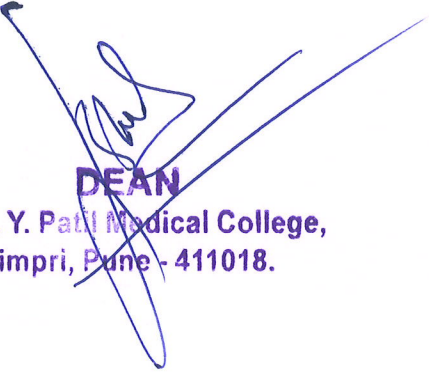

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6	Dr. Prashant Khuje MBBS, MD 2000020893	Professor 01-06-18	Regular	Dr.D.Y.Patil Medical College,Pune Dr.D.Y.Patil Medical College,Pune	Asso.Prof Professor	01-06-14 01-06-18	31-05-18 till date	2016	49	Urine formation - IV Ear - I Ear - II Haemostasis Haemostasis - I Haemostasis - II RBC Immunity Properties of skeletal muscle ECG Hypoxia, Periodic breathing, Dyspnoea & Cyanosis Reflex action I Reflex action -II Cerebral cortex Prefrontal lobe & speech Limbic system Introduction to endocrinology & mechanisms of hormone action Posterior Pituitary gland Disorders of pituitary gland Adrenal cortex - I Adrenal cortex - II Adrenal cortex - III (Disorders) Male reproductive system I Male reproductive system II Movements & functions of large intestine Problem solving: Endocrinology & Reproductive system Erythropoiesis, Immunity blood groups, hemostasis. Ascending tracts & Descending tracts Mechanism of hormone action, Anterior pituitary gland, Posterior pituitary gland, Adrenal cortex, endocrine pancreas SGT: Transport across cell membrane SGT: Resting membrane potential & Action potential SGT: Neuro muscular junction SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate SGT: Blood pressure SGT: Cardiac output SGT: Shock SGT: Coronary circulation SGT: Pulmonary circulation SGT: Mechanics of respiration SGT: Diffusion & transport of gases SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland

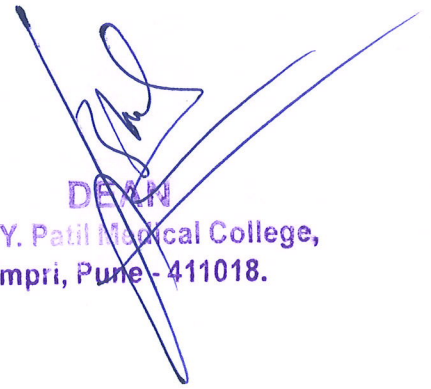

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									SGT: Adrenal cortex SGT: Sex determination, sex differentiation & puberty in male & female SGT: Menstrual cycle SGT: Mastication & Deglutition SGT: Gastric secretion & Gastric Emptying	
							2017	31	Haemostasis - I Haemostasis - II Cardiac cycle I Cardiac cycle II Cardiac output I Cardiac output II Urine formation III (Counter current mechanism) Introduction to Nervous System (CNS) Physiology of nerves Organization of spinal cord Vestibular apparatus I Vestibular apparatus II Introduction to endocrinology Posterior pituitary gland Menstrual cycle I Menstrual cycle II Nutrition I Nutrition II Problem solving SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration SGT - Synapse SGT - Ascending tracts SGT - Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	
							2018	27	Reticuloendothelial system WBC Properties of skeletal muscle Cardiac output I Cardiac output II Aviation and space physiology - I Aviation and space physiology - II Urine formation - III Problem solving class Physiology of nerve Thalamus Extra pyramidal tracts	

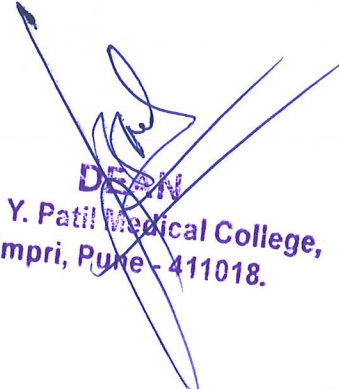



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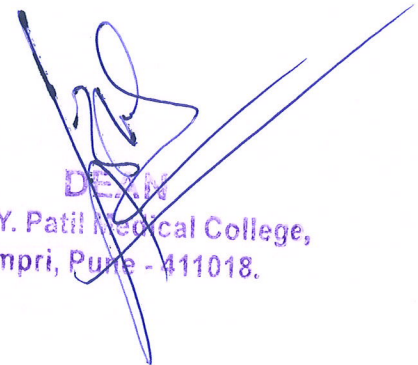
Department	Name of Faculty Qualification IMR Number	Current Designation & Date of Promotion	Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years				Year	Number of lectures taken/year. Topics covered	Name of Lecture Topics
				Institution	Designation	From	To			
									(Descending tract - II) Hypothalamus - I Hypothalamus - II ANS - I ANS - II Thyroid gland - III(Disorders) SGT: Regulation of respiration Flip teaching: Thyroid hormone synthesis & regulation Flip teaching: Gastric secretion SGT: Mechanics of respiration SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	25	Haemostasis - I Haemostasis - II Properties of skeletal muscle Cardiac output - I Cardiac output - II Gradation of muscular activity and cardio respiratory changes during exercise ECE Physiology: Evaluation of milestones & respiratory distress syndrome in neonates Intestinal secretion Movements of intestine Flip Teaching: Micturition reflex & its disorders (SDL) SGT: Regulation of respiration SGT: Cardiac cycle Flip Teaching: Calcium Homeostasis (SDL) Regulation of Blood Volume & acid base balance Reflex action Cerebral cortex EEG Hypothalamus Male reproductive system - I (Physiological anatomy, male sex hormones & functions) Male reproductive system - II (Spermatogenesis & its control) Reflex action Tutorial: Physiology of hearing SGT: Cardiac output Tutorial: Endocrine pancreas SGT: Cerebral cortex	
							2020	22	RBC - I RBC - II Cardiac output - I Cardiac output - II Hypoxia, Periodic breathing, Cyanosis & Dyspnoea Gradation of muscular activity and cardio respiratory changes during exercise	


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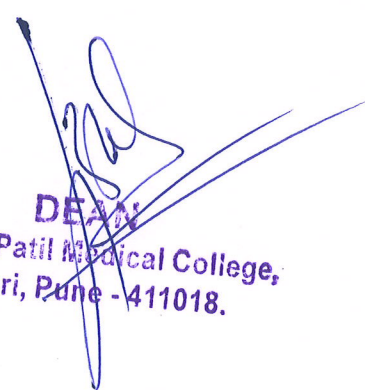
Department	Name of Faculty Qualification IMR Number	Current Designation & Date of Promotion	Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years				Year	Number of lectures taken/year. Topics covered	Name of Lecture Topics
				Institution	Designation	From	To			
									Acclimatization to high altitude Nutrition – I Nutrition – II Introduction to Nervous System (CNS) Organization of spinal cord Posture Prefrontal lobe & speech Ear – I (Functional anatomy of ear, Impedance matching, Attenuation reflex) Ear – II (Traveling wave theory, Endocochlear potential, Central auditory mechanism) ECE Physiology – Obesity, Nutrition/Diet & physical exercise SDL on Regulation of respiration SDL – Thyroid hormone-Synthesis & physiological action SDL on Basal ganglia, caudate & Putamen circuit, Functions of basal ganglia, Parkinsons disease SDL on Reflex action SDL on Muscle tone SDL on Posture	
7	Dr. Jadhav Sugata S. MBBS, MD 64696	Associate Professor 14-09-15	Regular	Dr.D.Y.Patil Medical College,Pune	Asso.Prof	15-09-15	till date	2016	46	Immunity – I Immunity – II Cardiac cycle – I Cardiac cycle – II Mechanics of respiration I Mechanics of respiration II Synapse-I Synapse-II Cerebral circulation Pyramidal tract (Descending tracts I) Extrapyramidal tract (Descending tracts II) Thyroid gland - I Thyroid gland - II Thyroid gland – III (disorders & thyroid function tests) Physiology of pregnancy – I Physiology of pregnancy – II Physiology of Lactation Nutrition- I Nutrition- II Problem solving: Respiratory system Neuro - muscular junction, abnormalities, Ionic basis of muscle contraction Temperature Regulation, Acclimatization to high altitude SGT: Transport across cell membrane SGT: Resting membrane potential & Action potential SGT: Neuro muscular junction SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate SGT: Blood pressure


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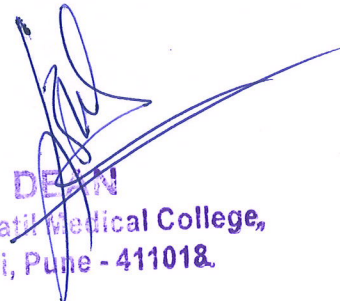
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				Institution	Designation	From	To			
									SGT: Cardiac output SGT: Shock SGT: Coronary circulation SGT: Pulmonary circulation SGT: Mechanics of respiration SGT: Diffusion & transport of gases. SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland SGT: Adrenal cortex SGT: Sex determination, sex differentiation & puberty in male & female SGT: Menstrual cycle SGT: Mastication & Deglutition SGT: Gastric secretion & Gastric Emptying	
							2017	32	Homeostasis Resting membrane potential Molecular basis of muscle contraction- I Molecular basis of muscle contraction- II Coronary circulation Transport of O ₂ Cardio respiratory changes during exercise Cerebral circulation Pain – I Pain – II Extra pyramidal tract Muscle Tone – I Muscle Tone – II Learning & memory – I Learning & memory – II Liver, Bile & Gall bladder Defecation Adrenal cortex – II (Mineralo corticoid & Regulation) Problem solving: Cardiovascular system / Respiratory system Problem solving SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration SGT – Synapse SGT - Ascending tracts SGT – Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	


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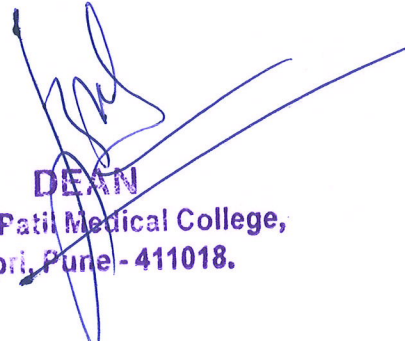
Department	Name of Faculty Qualification IMR Number	Current Designation & Date of Promotion	Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years				Year	Number of lectures taken/year. Topics covered	Name of Lecture Topics
				Institution	Designation	From	To			
							2018	30	Composition & functions of blood Functions of plasma proteins RBC - I RBC - II Heart rate - I (Innervation of heart) Heart rate - II Haemodynamics - I Haemodynamics - II Transport of O ₂ Regulation of blood volume Calcium Homeostasis Introduction to Nervous System (CNS) Sensory Receptor- I Sensory Receptor- II Reticular formation & ARAS Sleep & wakefulness Learning & memory - I Learning & memory - II Problem solving classes: CVS, RS & Excretory SGT: Regulation of respiration Flip teaching: Thyroid hormone synthesis & regulation Flip teaching: Gastric secretion SGT: Mechanics of respiration SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing Problem solving classes: CVS, RS & Excretory SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	17	Classification of muscle & structure of skeletal muscle Cardiac Cycle - I Cardiac Cycle - II Heart rate - I Heart rate - II Ethics- I What does it mean by a patient: RIGHTS OF A PATIENT ECE Physiology - ECG GIT hormones ECE Physiology- Evaluation of physical fitness & exercise physiology Flip Teaching: Micturition reflex & its disorders (SDL) SGT: Regulation of respiration Flip Teaching: Calcium Homeostasis (SDL) Thyroid gland - I (Hormones of thyroid gland, synthesis, release, transport & mechanism of Thyroid gland - II (Physiological actions) Thyroid gland - III (Regulation & disorders) Pain - I Pain - II ANS - I	


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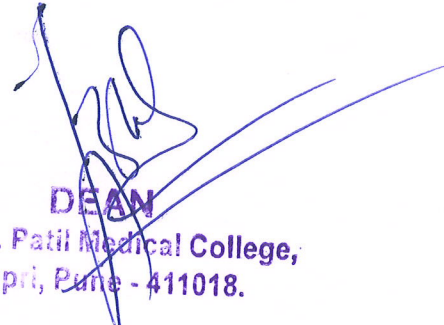
Department	Name of Faculty Qualification IMR Number	Current Designation & Date of Promotion	Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years				Year	Number of lectures taken/year. Topics covered	Name of Lecture Topics
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									ANS – II Physiology of ageing and apoptosis Introduction to Reproductive system, Sex determination & differentiation Physiology of contraception Pain SGT: Coronary circulation Tutorial: Thyroid gland SGT: Cardiac cycle SGT: GIT hormone	
							2020	23	Composition & functions of blood Reticuloendothelial system Properties of skeletal muscle Introduction to respiratory system Deep sea physiology & decompression sickness Gastric juice secretion - I Gastric juice secretion - II Intestinal secretion + Smooth muscle Concept of multiunit & single unit Mechanism of contraction Latch mechanism GIT hormones Ethics: What does it mean by a patient- Rights of patient Physiology of Pain – I Physiology of Pain – II Vestibular apparatus Learning & memory - I Learning & memory – II Introduction to Reproductive system, Sex determination & differentiation AETCOM: What does it mean to be a patient- Beliefs and customs indifferent faiths of patients SDL on Regulation of respiration SDL – Thyroid hormone-Synthesis & physiological action SDL on Basal ganglia, caudate & Putamen circuit, Functions of basal ganglia, Parkinsons disease SDL on Physiology of pain SDL on Neurophysiology of vision SDL on Posture	
8	Dr. Seema Methre MBBS, MD 2005042533	Associate Professor 01-02-18	Regular	Dr.D.Y.Patil Medical College,Pune Dr.D.Y.Patil Medical College,Pune	Asst.Prof Asso.Prof	10-06-13 01-02-18	31-01-18 till date	2016	31	Molecular basis of muscle contraction – I Molecular basis of muscle contraction – II Coronary circulation Neural regulation of respiration Chemical regulation of respiration Photochemistry of vision SGT: Transport across cell membrane SGT: Resting membrane potential & Action potential SGT: Neuro muscular junction SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate


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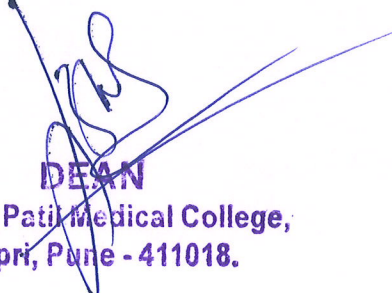
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									SGT: Blood pressure SGT: Cardiac output SGT: Shock SGT: Coronary circulation SGT: Pulmonary circulation SGT: Mechanics of respiration SGT: Diffusion & transport of gases SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland SGT: Adrenal cortex SGT: Sex determination, sex differentiation & puberty in male & female SGT: Menstrual cycle SGT: Mastication & Deglutition SGT: Gastric secretion & Gastric Emptying Quiz on Endocrine & Reproductive system	
							2017	20	WBC Physiology of blood vessels Introduction to respiratory system Anterior Pituitary gland - I Anterior Pituitary gland - II (Growth Hormone) Adrenal cortex - III (Disorders) Problem solving SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration SGT - Synapse SGT - Ascending tracts SGT - Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	
							2018	27	RBC I - Structure, morphology & functions RBC II - Erythropoiesis, ESR & PCV Blood group - I Blood group - II Coronary circulation Circulatory shock Tissue fluid formation - II Introduction to respiratory system Acclimatization to high altitude Anterior Pituitary gland - I (functional anatomy, Hypothalamic control of anterior pituitary)	


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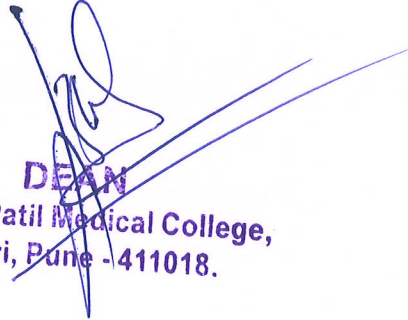
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				Institution	Designation	From	To			
									Adrenal cortex – III (Disorders) Introduction to gastrointestinal system (Including splanchnic circulation) Cerebral Circulation Cerebellum – I Cerebellum – II Neurophysiology of Vision I (Eye V) Neurophysiology of Vision II (Eye VI) Regulation of body Temperature CSF & Blood Brain Barrier SGT: Regulation of respiration SGT: Mechanics of respiration SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	23	Transport across the cell membrane –I Transport across the cell membrane –II Tissue fluid formation - I Tissue fluid formation - II Transport of O ₂ Introduction to gastrointestinal system (Including splanchnic circulation) Liver, Bile & Gall bladder Flip Teaching: Micturition reflex & its disorders (SDL) SGT: Regulation of respiration SGT: Cardiac cycle Flip Teaching: Calcium Homeostasis (SDL) Physiology of nerve Sensory Receptor Photochemistry of vision Ear – III Adrenal cortex – II (mineralo corticoid & its disorders) Lesions of Spinal Cord Ethics –VIII Doctor Patient relationship: Shared Responsibilities Calcium Homeostasis - I (PTH) Calcium Homeostasis - II (Vit. D) SGT: Transport of gases Tutorial: Lesions of spinal cord Student webinar on synapse	
							2020	24	Transport across the cell membrane – I Transport across the cell membrane – II Blood Pressure – I Blood Pressure - II Introduction to gastrointestinal system (Including splanchnic circulation) Anterior Pituitary gland – II (Growth hormone) Thyroid gland - I (Hormones of thyroid gland, synthesis, release, transport & mechanism of action)	


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				Institution	Designation	From	To			
									Thyroid gland - II (Physiological actions) Thyroid gland - III (Regulation & disorders) Extra Pyramidal tract (Descending tract - II) Regulation of body Temperature Neurophysiology of Vision - I Neurophysiology of Vision - II Accommodation & visual reflexes Female sex hormones Physiology of Lactation SDL on Regulation of respiration SDL – Thyroid hormone-Synthesis & physiological action SDL on Basal ganglia, caudate & Putamen circuit, Functions of basal ganglia, Parkinsons disease SDL on Physiology of pain SDL on Neurophysiology of vision SDL on Reflex action SDL on Muscle tone SDL on Posture	
9	Dr. Sheetal Salvi MBBS, MD 2004052270	Associate Professor 01-04-18	Regular	Dr.D.Y.Patil Medical College,Pune Dr.D.Y.Patil Medical College,Pune	Asst.Prof Asso.Prof	06-09-13 01-04-18	31-03-18 till date	2016	32	Reticuloendothelial system Neuro muscular junction Circulatory Shock Acclimatization to high altitude Micturition reflex & its disorders Micturition reflex & its disorders Colour vision SGT: Transport across cell membrane SGT: Resting membrane potential & Action potential SGT: Neuro muscular junction SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate SGT: Blood pressure SGT: Cardiac output SGT: Shock GT: Coronary circulation SGT: Pulmonary circulation SGT: Mechanics of respiration GT: Diffusion & transport of gases SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland SGT: Adrenal cortex


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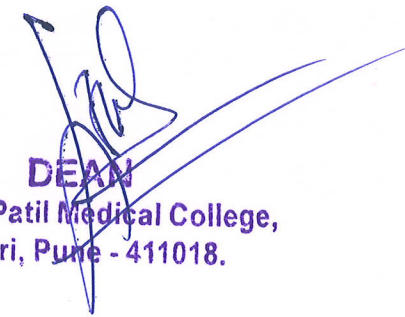
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				Institution	Designation	From	To			
									SGT: Sex determination, sex differentiation & puberty in male & female	
									SGT: Menstrual cycle	
									SGT: Mastication & Deglutition	
									SGT: Gastric secretion & Gastric Emptying	
									Students' Seminar on Circulatory shock	
						2017	20		Propertise of skeletal Muscle	
									Circulatory shock	
									Mechanism of gastric acid secretion	
									Disorders of pituitary gland	
									Parathyroid & calcium metabolism	
									Problem solving	
									SGT: Cardiac cycle	
									SGT: Circulatory Shock	
									SGT: Regulation of respiration	
									SGT - Synapse	
									SGT - Ascending tracts	
									SGT - Physiology of pain	
									SGT: Visual pathway & its lesions	
									Flip Teaching: Growth hormone	
									Flip Teaching: Biosynthesis & regulation of 16. thyroid hormone	
									Flip Teaching: Glucocorticoids	
									Flip Teaching: Menstrual cycle	
									Flip Teaching: Spermatogenesis	
									Flip Teaching: Lactation	
						2018	16		Posterior Pituitary gland	
									Salivary secretion	
									Nutrition - I	
									Nutrition - II	
									Photochemistry of vision (Eye - III)	
									Female sex hormones	
									SGT: Regulation of respiration	
									Students' Seminar on Haemostasis	
									Flip teaching: Thyroid hormone synthesis & regulation	
									Flip teaching: Gastric secretion	
									SGT: Menstrual cycle	
									SGT: Physiology of pregnancy	
									SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing	
									SGT: Cerebellum	
									Problem solving classes: CNS & SS	
									Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
						2019	25		Reticuloendothelial system	
									Introduction to Cardiovascular system	
									Coronary circulation	
									Chemical regulation of respiration	
									Acclimatization to high altitude	
									Ethics -IV What does it mean by a patient: Dealing with patients of other religion	
									Exocrine pancreas	
									Flip Teaching: Micturition reflex & its disorders (SDL)	


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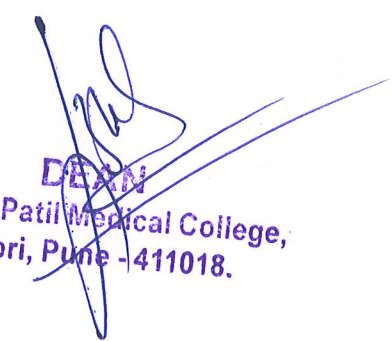
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				Institution	Designation	From	To			
									SGT: Regulation of respiration SGT: Cardiac cycle Micturition reflex & its disorders Flip Teaching: Calcium Homeostasis (SDL) Introduction to Nervous System (CNS) Neurophysiology of Vision - I Neurophysiology of Vision - II & Accommodation & visual reflexes Posture Adrenal cortex - I (Glucocorticoid & its disorders) Reticular formation & ARAS Physiology of pregnancy - I Physiology of pregnancy - II Physiology of Infancy Basal Ganglia Tutorial: Neurophysiology of vision Tutorial: Adrenal cortex Tutorial: Posture	
							2020	21	WBC Classification of muscle & structure of skeletal muscle Introduction to Cardiovascular system ECG Mechanics of respiration - I Mechanics of respiration - II GFR - I (Urine formation - I) GFR - II (Urine formation - II) Adrenal cortex - I (Glucocorticoid & its disorders) Adrenal cortex - II (mineralo corticoid & its disorders) Pyramidal tracts (Descending tract - I) Sleep & wakefulness EEG Cerebral circulation Physiology of ageing and apoptosis Sedentary lifestyle & Physiology of obesity metabolic syndrome, stress response SDL on Regulation of respiration SDL - Thyroid hormone-Synthesis & physiological action SDL on Basal ganglia, caudate & Putamen circuit, Functions of basal ganglia, Parkinsons disease SDL on Neurophysiology of vision Student Webinar on blood pressure	
10	Dr. Bageshree Pande MBBS, MD 2015084364	Associate Professor 01-01-20	Regular	Dr.D.Y.Patil Medical College,Pune Dr.D.Y.Patil Medical College,Pune	Asst.Prof Asso.Prof	10-09-15 01-01-20	31-12-19 till date	2016	27	Blood volume regulation Introduction to eye & optics Errors of refraction SGT: Transport across cell membrane SGT: Resting membrane potential & Action potential SGT: Neuro muscular junction


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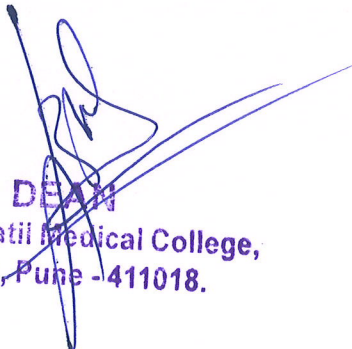
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									SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate SGT: Blood pressure SGT: Cardiac output SGT: Shock GT: Coronary circulation SGT: Pulmonary circulation SGT: Mechanics of respiration GT: Diffusion & transport of gases SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland SGT: Adrenal cortex SGT: Sex determination, sex differentiation & puberty in male & female SGT: Menstrual cycle SGT: Mastication & Deglutition SGT: Gastric secretion & Gastric Emptying	
							2017	17	Salivary secretion Mastication & Deglutition Movements & functions of large intestine Endocrine pancreas SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration SGT - Synapse SGT - Ascending tracts SGT - Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	
							2018	28	WBC I- Classification & Normal values WBC II - Variations, properties & functions Haemostasis - I Haemostasis - II Introduction to Cardiovascular system Blood Pressure - I Blood Pressure - II Mechanics of respiration I Mechanics of respiration II Anterior Pituitary gland - II (Growth hormone) Pain - I	


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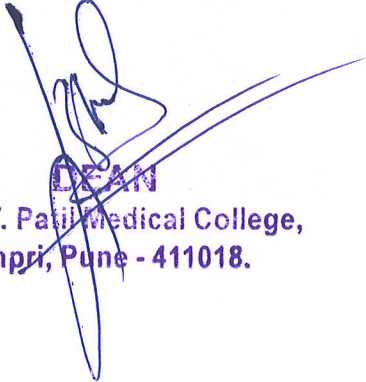
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				Institution	Designation	From	To			
									Pain – II Basal ganglia – I Basal ganglia – II EEG Ear – I Menstrual cycle SGT: Regulation of respiration Flip teaching: Thyroid hormone synthesis & regulation SGT: Blood Pressure Flip teaching: Gastric secretion SGT: Mechanics of respiration SGT: Menstrual cycle GT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	21	WBC Immunity – I Immunity – II Physiology of blood vessels ECE Physiology Blood Bank Ethics -II What does it mean by a patient: Patients' rights & responsibilities Salivary Secretion Flip Teaching: Micturition reflex & its disorders (SDL) SGT: Regulation of respiration Flip Teaching: Calcium Homeostasis (SDL) ECE Physiology: Renal failure Artificial kidney, dialysis & renal transplantation Organization of spinal cord Introduction to eye & optics & Errors of Refraction Muscle Tone – I Muscle Tone – II Endocrine pancreas – I Endocrine pancreas – II Female sex hormones Tutorial: Haemostasis Tutorial: Mastication & deglutition, movements of intestine SGT: Muscle tone	
							2020	20	Homeostasis Action potential – I Action potential – II Physiology of blood vessels Renal circulation, Structure & Functions of kidney Regulation of Blood Volume & acid base balance ECE Physiology: Renal failure Artificial kidney, dialysis & renal transplantation ECE (P.B.L.)- Excretory system & Endocrinology Muscle Tone – I Muscle Tone – II Photochemistry of vision	


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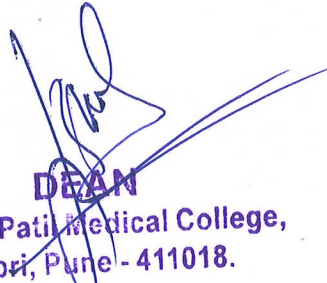
Department	Name of Faculty Qualification IMR Number	Current Designation & Date of Promotion	Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years				Year	Number of lectures taken/year. Topics covered	Name of Lecture Topics
				Institution	Designation	From	To			
									Ear – III (Auditory pathway, Test for hearing Audiometry, Auditory evoke potential) Physiology of pregnancy – I Physiology of pregnancy – II Hormonal changes & their effects during peri menopause & menopause SDL on Basal ganglia, caudate & Putamen circuit, Functions of basal ganglia, Parkinsons disease SDL on Physiology of pain SDL on Reflex action SDL on Muscle tone Students' Seminar on Cerebellum	
11	Dr. Ramya Jayakumar MBBS, MD 2014104531	Assistant Professor	Regular	Dr.D.Y.Patil Medical College,Pune	Asst.Prof	01-08-14	till date	2016	31	Physiology of blood vessel Transport of O ₂ Transport of CO ₂ Taste & smell Anterior Pituitary gland – I Anterior Pituitary gland – II SGT: Transport across cell membrane SGT: Resting membrane potential & Action potential SGT: Neuro muscular junction SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate SGT: Blood pressure SGT: Cardiac output SGT: Shock SGT: Coronary circulation SGT: Pulmonary circulation SGT: Mechanics of respiration SGT: Diffusion & transport of gases SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland SGT: Adrenal cortex SGT: Sex determination, sex differentiation & puberty in male & female SGT: Menstrual cycle SGT: Mastication & Deglutition SGT: Gastric secretion & Gastric Emptying Students' Seminar on mechanism of hearing
								2017	20	Blood group - I Blood group - II Tissue fluid formation I Tissue fluid formation II Introduction to eye & optics Errors of refraction


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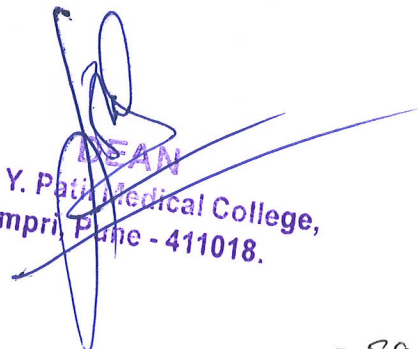
Department	Name of Faculty Qualification IMR Number	Current Designation & Date of Promotion	Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years				Year	Number of lectures taken/year. Topics covered	Name of Lecture Topics
				Institution	Designation	From	To			
									Quiz- CNS SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration SGT – Synapse SGT - Ascending tracts SGT – Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	
							2018	19	Blood group - I Blood group - II Physiology of blood vessels Mastication & Deglutition Gastric emptying Errors of refraction Movements of intestine Male reproductive system – I Male reproductive system – II SGT: Regulation of respiration SGT: Blood Pressure Flip teaching: Gastric secretion SGT: Mechanics of respiration SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	20	Composition & functions of blood RBC – I RBC – II ECE Physiology Blood Bank Ethics -III What does it mean by a patient: Patient Communication Principles of Artificial respiration & decompression sickness Gut Brain Axis Flip Teaching: Micturition reflex & its disorders (SDL) SGT: Regulation of respiration SGT: Cardiac cycle Flip Teaching: Calcium Homeostasis (SDL) Students Seminar on Physiology of skeletal muscle Problem based learning on Blood, CVS & RS Synapse- I Synapse- II Cerebral circulation	


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				Institution	Designation	From	To			
									Male reproductive system – III (Applied aspects of male reproductive system) Physiology of obesity metabolic syndrome, stress response Tutorial: Menstrual cycle Tutorial: Regulation of respiration	
							2020	14	Blood group - I Blood group – II Tissue fluid formation - I Tissue fluid formation - II Coronary circulation Movements of intestine Disorders of GIT Physiology of nerve ECE (Spots- Endocrine disorders) Hypothalamus Introduction to eye & optics & Errors of Refraction CSF & Blood Brain Barrier And concept of brain death SDL on Regulation of respiration SDL – Thyroid hormone-Synthesis & physiological action	
12	Dr. Nivedita Sirdesai MBBS, MD 2011051102	Assistant Professor	Regular	Dr.D.Y.Patil Medical College, Pune	Asst.Prof	15-03-17	till date	2016	25	Gastric emptying SGT: Transport across cell membrane SGT: Resting membrane potential & Action potential SGT: Neuro muscular junction SGT: Ionic basis of muscle contraction SGT: Immunity SGT: Cardiac cycle SGT: Heart rate SGT: Blood pressure SGT: Cardiac output SGT: Shock SGT: Coronary circulation SGT: Pulmonary circulation SGT: Mechanics of respiration SGT: Diffusion & transport of gases SGT: Regulation of respiration SGT: Cerebellum SGT: Descending tract SGT: Neurophysiology of vision SGT: Anterior Pituitary gland SGT: Adrenal cortex SGT: Sex determination, sex differentiation & puberty in male & female SGT: Menstrual cycle SGT: Mastication & Deglutition SGT: Gastric secretion & Gastric Emptying
								2017	20	Composition & functions of blood Introduction to CVS Pulmonary circulation Taste & smell


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				Institution	Designation	From	To			
									Introduction to Gastrointestinal system (Including splanchnic circulation) Introduction to Reproductive system, Sex determination & differentiation Student Seminar Blood pressure SGT: Cardiac cycle SGT: Circulatory Shock SGT: Regulation of respiration SGT – Synapse SGT - Ascending tracts SGT – Physiology of pain SGT: Visual pathway & its lesions Flip Teaching: Growth hormone Flip Teaching: Biosynthesis & regulation of thyroid hormone Flip Teaching: Glucocorticoids Flip Teaching: Menstrual cycle Flip Teaching: Spermatogenesis Flip Teaching: Lactation	
							2018	16	Diffusion of gases Disorders of pituitary gland GIT hormones Introduction to eye & optics (Eye - I) Physiology of pregnancy – I Physiology of pregnancy – II Flip teaching: Thyroid hormone synthesis & regulation Flip teaching: Gastric secretion SGT: Mechanics of respiration Students Seminar on thyroid hormone SGT: Menstrual cycle SGT: Physiology of pregnancy SGT: Optic tract & effect of lesion at various level/ Mechanism of hearing SGT: Cerebellum Problem solving classes: CNS & SS Problem solving classes: Endo, Reproduction, Blood, Temperature Regulation	
							2019	7	Blood group – I Blood group – II ECE Physiology Blood Bank Pulmonary circulation Ethics -V What does it mean by a patient: Informed Consent SGT: Regulation of respiration SGT: Cardiac cycle	
							2020	15	Salivary Secretion Tubular reabsorption & secretion (Urine formation III) Tubular reabsorption & secretion (Urine formation – IV) Endocrine pancreas – I Endocrine pancreas – II AETCOM: What does it mean to be a patient- Informed consent AETCOM: Patient communication in doctor patient relationship AETCOM: Doctor patient relationship: shared responsibilities Physiological effects of meditation Tutorial: Problem solving- Endocrine system	


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				Institution	Designation	From	To			
									SDL on Regulation of respiration SDL – Thyroid hormone-Synthesis & physiological action SDL on Neurophysiology of vision SDL on Reflex action Guest lecture: Paradigm Shift In Teaching Learning From Classroom To Virtual Mode: Challenges & Opportunities	
13	Dr. Ayub I. Siddiqui MBBS 2019031059	Demonstrator	Regular	Dr.D.Y.Patil Medical College, Pune	Demonstrator	13-01-20	till date		NIL	
14	Dr. Kashish D. Shahani MBBS 2021031720	Demonstrator	Regular	Dr.D.Y.Patil Medical College, Pune	Demonstrator	08-02-21	till date		NIL	
15	Dr. Mehek Bariana MBBS 2021031727	Demonstrator	Regular	Dr.D.Y.Patil Medical College, Pune	Demonstrator	08-02-21	till date		NIL	
16	Dr. Raj S. Kamble MBBS 2021066152	Demonstrator	Regular	Dr.D.Y.Patil Medical College, Pune	Demonstrator	08-02-21	till date		NIL	
17	Dr. Prajakta Lokhande MBBS 2018084219	Demonstrator	Regular	Dr.D.Y.Patil Medical College, Pune	Demonstrator	03-11-21	till date		NIL	


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02. Annexure-1 - Publication in Vancouver referencing style

Sr. No	Faculty Name	Publication in Vancouver referencing style	Pubmed Indexed Yes / No	Scopes Indexed
Physiology				
1	Dr. V. G. Jaltade	Nil	Nil	Nil
2	Dr. C. A. Saraf	Bhupendra Marotrao Gathe, Mahendra Bhauraoji Gandhe, Babita Sahu, Nitin Gosewade, Chhaya Anil Saraf, Ramji Singh. Effect of noise pollution on hearing in Auto-Rickshaw Drivers- A Brainstem auditory evoked potentials BAEP Study. Indian Journal of Otology. 2016; 22(4): 275-279.	No	Yes
		Saraf Chhaya, Gathe Bhupendra, Itagi Afreen Begum H, Gade Shubhada, Nisargandha Milind, Gajbhiye IPR. Effect of Swim Training On Pulmonary Functions In Boys Of Prepubertal And Pubertal Age. Panacea journal of Medical Sciences. 2016; 6(1): 8-12.	No	No
		Chhaya Saraf, Afreen Begum H Itagi, Shubhada Gade, Dimple Arora, Nitin Gosewade, Baishali Deb. Role of mentoring in improving academic performance among low achievers in a medical college of Chhattisgarh India, Journal of Education Technology in Health Sciences, September - December,2017;4(3):107 – 111.	No	No
		Bhupendra Marotrao Gathe, Anupkumar Dhanvijay, Babita Sahu, Nitin Dhokne, Ninad Nagrale, Chhaya Saraf. Power point versus chalk and board teaching in physiology of vision – A comparative study, National journal of Physiology, pharmacy and Pharmacology, 2019; 9(1): 1-3	No	No
3	Dr. M. S. Karandikar	ST Methre, Karandikar MS. A study of pulmonary function of spray painters working in garage. IOSR Journal of Dental and Medical Sciences. 2016; 15(3): 01-07.	No	No
		M. M. Karandikar ¹ , A. R. Joshi, M. S. Karandikar. Partial restoration of the haematological profile in 4-week-old pups after six generations of improved nutrient supply. MedPulse International Journal of Physiology 2019 ;11(2): 30-33.	No	No

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02. Annexure-1 - Publication in Vancouver referencing style

Sr. No	Faculty Name	Publication in Vancouver referencing style	Pubmed Indexed Yes / No	Scopes Indexed
		M. M. Karandikar, A .R. Joshi, M. S. Karandikar. The haematological profile with fifty generations of undernutrition cannot be reversed with six generations of a recuperation diet in a wistar rat colony. MedPulse International Journal of Physiology 2019;11(2) :21-24.	No	No
		Mugdha V. Joglekar, Rohan R. Patil, Sarang N. Satoor, Wilson K. M. Wong, Mahesh S. Karandikar, and Anandwardhan A. Hardikar "Promoting Pro-Endocrine Differentiation and Graft Maturation Following Surgical Resection of the Mouse Pancreas" Shree Ram Singh et al. (eds.), Mouse Genetics: Methods and Protocols, Methods in Molecular Biology, vol. 2224, https://doi.org/10.1007/978-1-0716-1008-4_6 , © Springer Science+Business Media, LLC, part of Springer Nature 2021	Yes	No
		Dr. Sangeeta M Gawali, Dr Mahesh S Karandikar, "High sensitivity- c reactive protein as cardiovascular risk marker in metabolic syndrome patients" Indian Journal of Applied Research Aug 2021; 11(8): 1-3.	Yes	No
		Dr. Sangeeta M Gawali, Dr Mahesh S Karandikar. "The impact of insulin resistance, dyslipidemia and high sensitivity C-reactivity protein on carotid intima-media thickness in metabolic syndrom" International Journal of Research in Medical Sciences Aug 2021; 9(8): 2347-2353.	No	No
4	Dr. R. S. Sood	Sood RS, Khandalkar S, Sood A, Awareness, among primary health care physicians, of acute cyanide poisoning being a possible consequence of fire accidents. International Journal of Biomedical and Advance Research. 2016; 7(8): 376-8.	No	No
		Sood RS, Bendre MB, Sood A. Barriers to asking question by the first MBBS student during didactic lectures in physiology. Indian Journal of Basic and Applied Medical Research. 2016; 5(3): 841-6.	No	No
		Sood RS, Bendre MB, Sood A, Analysis and remedy of the item writing flaws rectified at prevalidation of multiple choice questions drafted for assessment of MBBS students. March 2016; 5(2): 692-698.	No	No

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02. Annexure-1 - Publication in Vancouver referencing style

Sr. No	Faculty Name	Publication in Vancouver referencing style	Pubmed Indexed Yes / No	Scopes Indexed
		Gupta RD, Parekh K, Warriar VU, Lokhande KB, Swamy KV, Sood RS, etal Purification and characterization of pectins from Abelmoschus esculentus (okra pods) and Citrus limetta (citrus peels) and in silico binding study of pectin and pectic polysaccharides with galectin-1. 2020; 7 (5) (Supplement): S41-8.	No	No
		Arunima Chaudhuri, Rajkumar Sansarchand Sood, Suhrita Paul, Enakshi Saha. " A study of perceived stress level and sleep quality among physicians in a hospital of West Bengal, during the second wave of the present coronavirus disease-19 pandemic." National Journal of Physiology, Pharmacy and Pharmacology July 2021(online first);12(1):1-5.	No	No
5	Dr. (Mrs.) N. Prasad	Birajdar G, Prasad NB, Purandare VR. Effect of smoking on Autonomic functions. IOSR Journal of Dental & Medical Sciences. Jan 2016; 15(1) 39-42.	No	No
		Salvi S, Prasad NB, Bhandari N. Pulmonary function test in petrol pump workers and garage workers: A long drawn peril. International journal of health sciences & research. 2016; 4(2): 319-323.	No	No
		Dr. Neelam Bala Prasad, Dr. Sataree Kothadia. Study of heart rate variability in subclinical hypothyroidism IOSR Journal of Dental & Medical Sciences. August 2017; 16(8) 1-4.	No	No
		Dr. Neelam Prasad, S.A. Diwanji. Evaluation of Peripheral Nerves of Upper Limb and its Correlation with Blood Sugar Levels: A Electrophysiological Study in Type 2 Diabetics" Indian Journal Of Clinical Anatomy And Physiology (IJCAP)July-August 2018;5(3):344-6.	No	No
		Dr. Sheetal Salvi, Dr. Neelam Prasad. Learning strategies in medical school: A holistic approach to Physiology National journal of Physiology, Pharmacy & Pharmacology, July 2018; 8(7):1070-1073.	No	No

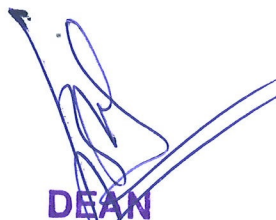
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Sr. No	Faculty Name	Publication in Vancouver referencing style	Pubmed Indexed Yes / No	Scopes Indexed
		Indu K Pisharody, Neelam Bala Prasad . BMI an early indicator of abnormal glucose and lipid profiles in young Indian adults. National journal of Physiology, Pharmacy & Pharmacology, May 2018; 8(5): 690 - 693.	No	No
		Neelam Bala Prasad, Saroj Diwanji. Electrophysiological study of the palmar cutaneous nerves in diabetics . National journal of Physiology, Pharmacy & Pharmacology, May 2018; 8(5): 694 -698.	No	No
		Dr. Sheetal Salvi, Dr. Neelam Prasad. Learning strategies in medical school: A holistic approach to Physiology National journal of Physiology, Pharmacy & Pharmacology, July 2018; 8(7):1070-1073.	No	No
		Gurunath Andappa Birajdar1, Neelam Bala Prasad. Influence of smoking on forced expiratory volume in first second: A case-control study.2020;10(5)434-436.	No	No
6	Dr. P. D. Khuje	Dr. P. D. Khuje, Habit of proper and adequate food chewing, avoiding water during meals and drink water 1-2 hours after meals in patients of gastroesophageal reflux diseases. Paripex – Indian Journal of Research May 2016;5(5):41-42.	No	No
		Dr. P. D. Khuje, Honey in warm water: An ideal prescription for weight loss. International Journal of Scientific Research. June 2016; 5(6) :484-86.	Yes	No
		Dr. P. D. Khuje, Hand acupressure for symptomatic relief of chronic rhinitis. International Education Scientific Research Journal. July 2016;2 (7):45-46.	No	No
		Khuje P , Hulke S M. Consumption of Yogurt, Aloe-vera pulp and Holy Basil leaves to reduce the recurrence of aphthous mouth ulcers in night shift workers. 2017; 3(4): 807-809.	No	No
		Khuje P, Sandip M Hulke. Neem (Azadirachta Indica),Reetha (Sapindus mukorossi),Shikakai (Acacia concinna),Hibiscus flower (Hibiscus sabdariffa) oil & Lemon: A natural antidandruff formula. International Journal of Advanced Scientific Research 2017;2(3) :27-29.	No	No

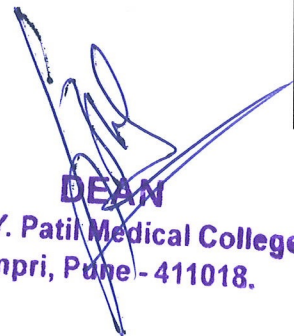


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Sr. No	Faculty Name	Publication in Vancouver referencing style	Pubmed Indexed Yes / No	Scopes Indexed
		Sandip M Hulke, Khuje P, Vaidya Yuqarti P. Change in Relationship between body Composition and Aerobic Power in Physical Education College's Students: A 12 Weeks Longitudinal Study. International journal of Physiology Jan-March 2018; 6(1): 166-178.	No	No
		Khuje P, Sandip M Hulke. Can Trained Wind Instrument Blowers Develop Higher inspiratory Spirometric Parameters Along with Expiratory Spirometric Parameters? International journal of Physiology Jan-March 2018; 6(1): 171-174.	No	No
		Prashant D. Khuje, Bharti Sable. "A novel method of peripheral blood smear preparation" National Journal of Physiology, Pharmacy and Pharmacology Aug 2021; 11(8): 821-823.	No	No
7	Dr.(Mrs.) S. S. Jadhav	Dr. Sugata Jadhav Evaluation of visual reaction time during pre- and post-menstrual phase. National Journal of Physiology, Pharmacy and Pharmacology. March 2019; 9(5): 398-400.	No	No
8	Dr.(Mrs.) S. T. Methre	ST Methre, Karandikar MS. A study of pulmonary function of spray painters working in garage. IOSR Journal of Dental and Medical Sciences. 2016; 15(3): 01-07.	No	No
		Methre S , Methre T, Borade N. Educational Environment in First Year BDS and BPT Students International Journal of Contemporary Medical Research. 2016; 3(11): 3163-3166.	No	No
		ST Methre, Borade NG. Perception of stress in first-year MBBS, BDS, and BPT students. National Journal of Physiology Pharmacy Pharmacol 2017; 7(2):1-6.	No	No
		Dattani M, Methre S, Methre T, Waist circumference relates to blood pressure among adults. IJCAP. March 2018; 5(1):91-96.	No	No
		Methre S, Jayakumar R, Dattani M, Borade N, Methre T. A cross-sectional study of anthropometric parameters in normotensive offsprings of hypertensive parents. NJPPP 2019; 9(2): 160-164	No	No


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Sr. No	Faculty Name	Publication in Vancouver referencing style	Pubmed Indexed Yes / No	Scopes Indexed
		Seema Tanaji Methre, Ramya Jayakumar, Tanaji Sambhaji Methre, Priyanka Sanjay Joshi. "Correlation of interarm blood pressure difference with family history of hypertension, anthropometric parameters, and mean arterial blood pressure in normotensive people". National Journal of Physiology, Pharmacy and Pharmacology 2021; 11(1): 23-27.	No	No
9	Dr. S. R. Salvi	Salvi S, Prasad NB, Bhandari N. Pulmonary function test in petrol pump workers and garage workers: A long drawn peril. International journal of health sciences & research. 2016; 4(2): 319-323.	No	No
		Salvi S, Joshi A. Platelet aggregability prehypertension and heart rate in male smokers: An unwelcome circumstance for prothrombotic activity. NJPPP 2018; 8(7): 1005-1009.	No	No
		Salvi S, Prasad NB. Learning strategies in medical school: A holistic approach to Physiology. NJPPP 2018; 8(7): 1070-1073.	No	No
		Salvi S, Gitartha Goswami. Video gaming, physiological responses, and well-being in medical students: An essence of intrigue way of learning. National Journal of Physiology, Pharmacy and Pharmacology.2020; 10(6): 1 – 5.	No	No
		Sheetal Salvi, Gitartha Goswami. "Impact of video gaming among medical students: unravelling the benefits" International journal of scientific research.2021; 10(3):63-64.	Yes	No
10	Dr. (Mrs.) B. N. Pande	Pande B, Tajne V. Comparision of Lung Functions among Males and Females with Sickle Cell Anaemia. International Journal of Contemporary Medical Research 2016; 3(8):2322-2324.	No	No
		Patil A, Pande B, Borade N. Learning to learn and teach: Student seminar as a teaching- learning method in undergraduate medical physiology through students' perspective. NJPPP 2018;8(9):1-6.	No	No
		Pande B, Patil A. Gender differences in cardiovascular autonomic function status in normal healthy individuals: A cross-sectional study. NJPPP 2019; 9(7):1-5.	No	No


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Sr. No	Faculty Name	Publication in Vancouver referencing style	Pubmed Indexed Yes / No	Scopes Indexed
11	Dr. R. Jayakumar	Methre ST, Jayakumar R, Dattani M, Borade NG, Methre TS. A cross-sectional study of anthropometric parameters in normotensive offsprings of hypertensive parents. Natl J Physiol Pharm Pharmacol 2019; 9(2): 160-164.	No	No
		Seema Tanaji Methre, Ramya Jayakumar, Tanaji Sambhaji Methre, Priyanka Sanjay Joshi. "Correlation of interarm blood pressure difference with family history of hypertension, anthropometric parameters, and mean arterial blood pressure in normotensive people". National Journal of Physiology, Pharmacy and Pharmacology 2021; 11(1): 23-27.	No	No
12	Dr.(Mrs.)N.N. Sirdesai	Deepa HS, Sirdesai N. A comparative study of auditory & visual reaction time in table tennis players and age matched healthy controls. Indian Journal of Clinical Anatomy and Physiology, 2016; 3(4):408-411.	No	No


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3. Medical Educator Training/ Research Methodology and dates

Department	Faculty Name	MET Workshop	Dates
Physiology			
1	Dr. C. A. Saraf	3 Days Revised Basic course Workshop in Medical Education Technologies	25 th - 27 th August 2015
2	Dr. V.G.Jaltade	Workshop on Curriculum Implementation Support Program	22 nd - 24 th April 2019
3	Dr.M. S. Karandikar	Workshop on Curriculum Implementation Support Program	22 nd - 24 th April 2019
4	Dr. R. S. Sood	Live course on Advanced Teaching Skills	08 th -09 th Jun 2018
5	Dr. Neelam Prasad	Workshop on Curriculum Implementation Support Program	22 nd - 24 th April 2019
6	Dr. P. D. Khuje	MCI CISP-II workshop	24 th - 25 th Sep 2020
7	Dr. S. S. Jadhav	Revised Basic Course workshop and Training in Attitude, Ethics & Communication (AETCOM)	16 th - 18 th March 2021
8	Dr. S. T. Methre	Revised Basic workshop & Training (AETCOM) as a participant	1 st - 3 rd Sep 2021
9	Dr. S. R. Salvi	Basic workshop in medical Education Technology	16 th - 18 th Oct 2014
10	Dr. B. N. Pande	Revised Basic workshop in medical Education Technology AETCOM	24 th -26 th September 2019
11	Dr. Ramya Jayakumar	Basic course on statistical packages for health research	4 th to 5 th May 2017
12	Dr.Nivedita Sirdesai	Workshop on Curriculum Implementation Support Program	22 nd - 24 th April 2019


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